



MONTHLY OPERATIONS REPORT

November 2019

Town of Discovery Bay, CA

3747 Days of Safe Operations

184,370 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

- * TRAINING:

- • Safety

- * Cold Weather

- Operation

- None

REPORTS SUBMITTED TO REGULATORY AGENCIES

- * Monthly Discharge Monitoring Report (DMR)**
- * Monthly electronic State Monitoring Report (eSMR)**
- * Monthly Coliform Report, State Water Board (WD)**

WATER SERVICES

Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

2019 Water Production Table (MG) by Month

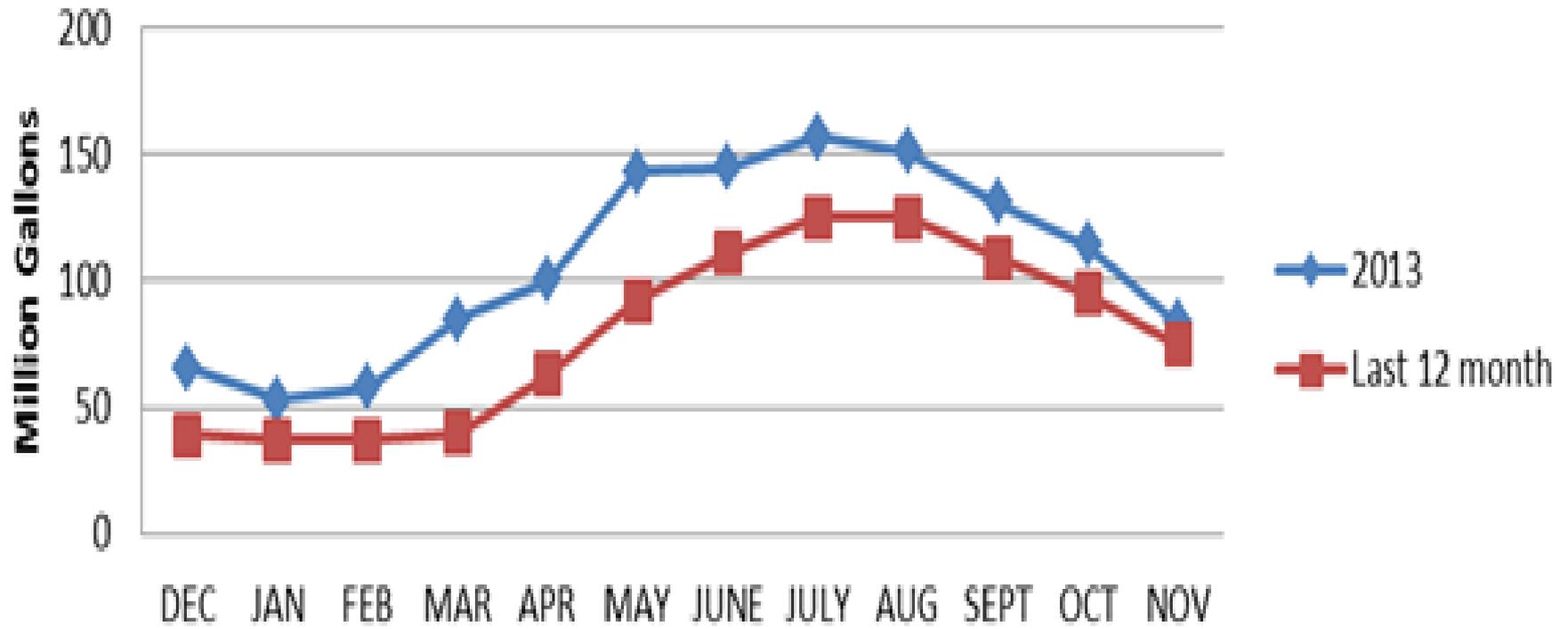
January	February	March	April	May	June
37	37	40	63	92	111
July	August	September	October	November	December
125	125	109	95	75	

Bacteriological Test Results

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 16	• 0	• 0	• 0	• 0

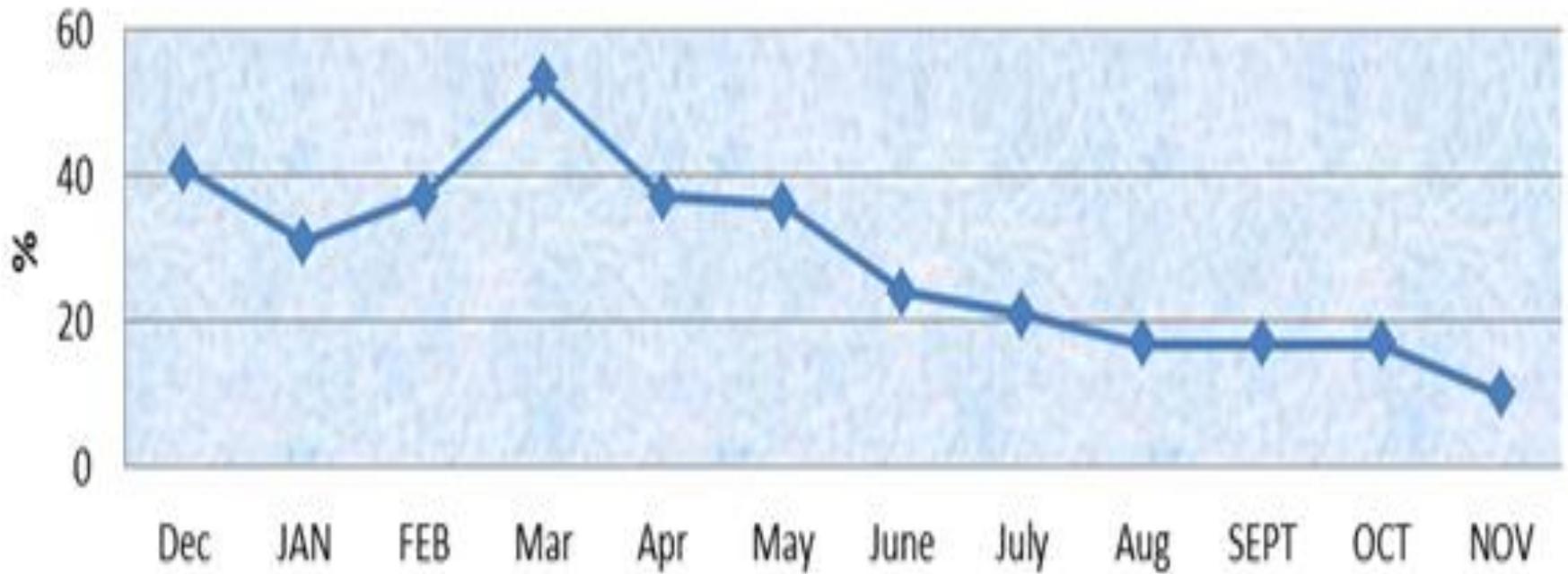
WATER USAGE

Water Production



Water Saved

Reduction Compared to 2013



WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>Oct Lab Data</i>	<i>Nov Lab Data</i>
Flow, MG Effluent, monthly total	██████████	31	32
Flow, MG Daily Influent Flow, avg.	N/A	1.2	1.3
Flow, MG Daily Discharge Flow, avg.	2.1	1.0	1.0
Effluent BOD ₅ , lbs/d, monthly avg.	390	11	23
Effluent TSS, lbs/d, monthly avg.	200*	19	25
Effluent BOD ₅ , mg/L, monthly avg.	20	1	3
Effluent TSS, mg/L, monthly avg.	10*	1	3
Total Coli form 7 day Median Max	23	ND	ND
Total Coli form Daily Maximum	240	2	2
% Removal BOD ₅ , monthly avg.	85% min.	99%	99%
% Removal, TSS, monthly avg.	85% min.	99%	98%
Electrical Conductivity, umhos/cm annual avg.	2100	2263	2280

* New Limit

WASTEWATER SERVICE

* National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 0	N/A	• N/A	• N/A

Small SSO due to "flushable" ragged build up with grease

COLLECTION:

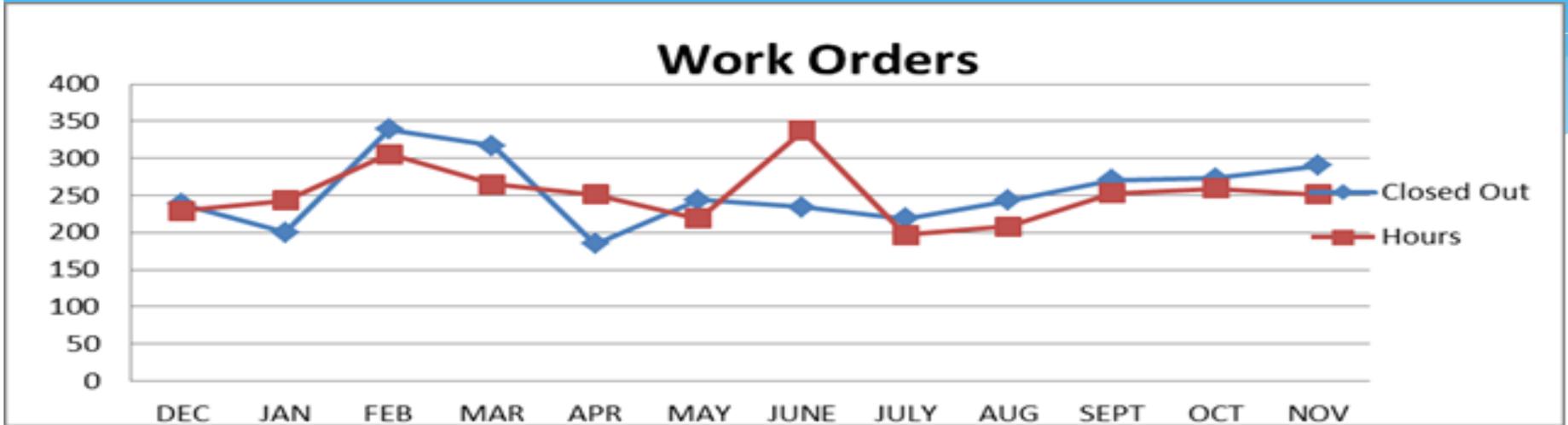
# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0	39

WASTEWATER SERVICE

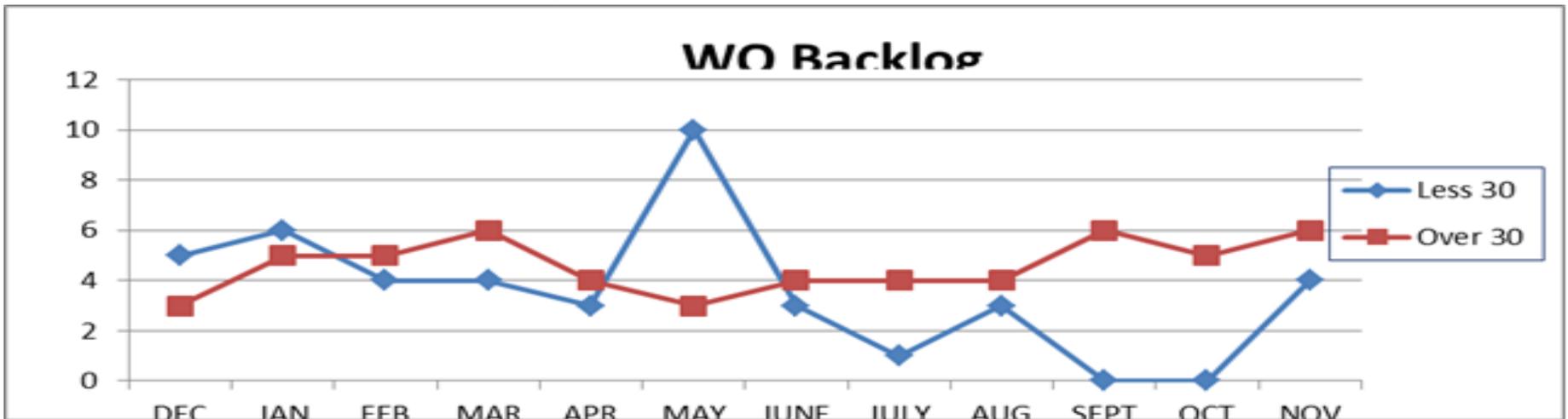
- * Continue sanitary sewer line assessment
- * Flushed/CCTV will be performed after assessment
- * Manhole & covers inspection during assessment

Maintenance

Preventive and Corrective



Work Order Back-Log



General Info

Call & Emergency Responses

Call Outs

11

Emergencies

0

Personnel Hours & Overtime:

Regular Hours

1504

Overtime

40



Have a Merry
Christmas
and Happy
and Safe
New Year!

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT